



COMMONWEALTH of VIRGINIA

DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010725
CERTIFICATION DATE: September 13, 2013
DATE RECERTIFICATION DUE: March 12, 2014

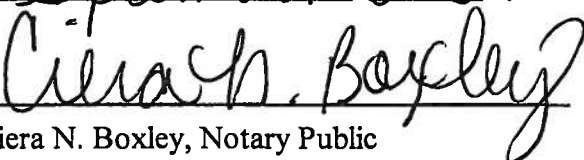
The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.


Melissa Kennedy

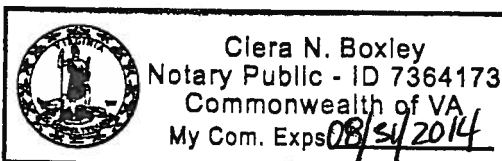
Program Manager, Calibration & Training

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 23rd day of September, 2013 by Melissa Kennedy


Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014



DWJ
WML

**Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 9/16/2013**

Instrument Serial Number: 010725

As of 16-Sep-13

Maintenance Date	Certification Date	Technician Initials	Remarks
13-Sep-13	13-Sep-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
04-Apr-13	04-Apr-13	DBH (21250)	CERTIFIED.
18-Oct-12	18-Oct-12	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD, REPLACED ESEK CARD READER
02-May-12	02-May-12	SED (24178)	CERTIFIED.
09-Nov-11	09-Nov-11	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
25-May-11	19-May-11	DBH (21250)	CORRECTED DRY GAS STANDARD LOT NUMBER IN INSTRUMENT MEMORY
19-May-11	19-May-11	DBH (21250)	CERTIFIED
30-Nov-10	30-Nov-10	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
15-Jun-10	15-Jun-10	DBH (21250)	CERTIFIED
29-Dec-09	29-Dec-09	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
15-Jul-09	15-Jul-09	DBH (21250)	CERTIFIED.
18-Mar-09	18-Mar-09	DBH (21250)	CERTIFIED.
13-Mar-09	13-Mar-09	NMJ (22392)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
12-Feb-09	12-Feb-09	MSK (21355)	CALIBRATED, CERTIFIED AND ACCEPTED.

DOT
NWA

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010725 Worksheet Start Date 9/13/2013

Location Fort Eustis

Address 648 Washington Blvd Fort Eustis VA 23604

DFS Technician Donald Hall License No. 21250

☐ Laboratory ☒ On-Site

Site Specifications

Yes No

1 Secured Environment:

Location must not be accessible to the general public.

☒ ☐

2 Environment free from contaminants

☒ ☐

3 Dedicated telephone line:

The phone line should be used solely by the instrument.

☒ ☐

4 Adequate Ventilation:

Enough space must be provided for the instrument and the printer to allow for adequate ventilation.

☒ ☐

5 Stable temperature controls:

The instrument should not be exposed to direct sources of temperature variation.

☒ ☐

6 115VAC power source:

Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.

☒ ☐

7 Room Condition:

The site should be free of excessive moisture, heat and dust.

☒ ☐

Old serial no.	New serial no.	Supplies	
E-Seek		Mouthpieces	50
Keyboard		Certificates of Analysis	
Printer		Operator Worksheet	50
UPS		Other:	

Maintenance (if any)
Firmware/software upgrade.

Comments (if any)

Instrument Serial Number 010725

Certification Date 9/13/2013

Instrument Barometer (mm HG) 757

Reference Barometer (mm HG) 756

Reference Barometer(RB)Serial # 009110

RB Calibration Due 5/30/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.250	0.249	0.241	0.256	Sample 2	0.246
Precision		sample min	sample max	Sample 3	0.246
0.001		0.246	0.247		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.150	0.149	0.144	0.153	Sample 2	0.149
Precision		sample min	sample max	Sample 3	0.149
0		0.149	0.149		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.080	0.080	0.077	0.083	Sample 2	0.080
Precision		sample min	sample max	Sample 3	0.079
0.001		0.079	0.080		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated☒ Certified☒ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG206601-01

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.100	0.100	0.097	0.103	Sample 2	0.099
Precision		sample min	sample max	Sample 3	0.099
0		0.099	0.099		

DFS Technician

Donald B Hall

Date

9/16/13

Issuing Analyst

Melissa Kennedy

Date

9/22/13

Intox EC/IR II QA Worksheet

Issued by Calibration and Training Program Manager

Issue Date: 4-March-2013

DFS Document 250-F113

Revision 6

Page 2 of 2

DBH

/s/




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
---	-----------------------------

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 09/13/2013
TEST EQUIPMENT NUMBER 010725		

RESULTS: TIME SAMPLE TAKEN 12:35 EDT

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____ OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 13 Sep 2013 at 17:27

DBH

AKK

Test Results

Instrument Serial Number 010725

Test # 000429 Subject Test

Test Location 1 Department of
Test Date 13 Sep 2013

Test Location 2 Forensic Science
Test Time 12:28
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name HALL
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B
License Number 21250

Card Serial Number 121250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 13 Sep 2013 End Time 12:36

Result Time 12:35

Result Date 13 Sep 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 12:29

Data Type BLK

Sample Value 0.000

Sample Time 12:29

Data Type CHK

Sample Value 0.101

Sample Time 12:30

Data Type BLK

Sample Value 0.000

Sample Time 12:31

Data Type SUBJ

Sample Value 0.000

Sample Time 12:32

Data Type BLK

Sample Value 0.000

Sample Time 12:33

Data Type SUBJ

Sample Value 0.000

Sample Time 12:35

Data Type BLK

Sample Value 0.000

Sample Time 12:36

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG211702-08

Standard Expiration Date 04/26/2014

Tank Pressure 419

Barometric Pressure 756 mmHg

Blow Sample Number 1 Blow Duration 3.87 sec

Blow Volume 1896 cc End-of-Blow Time 12:32

Blow Sample Number 2 Blow Duration 3.70 sec

Blow Volume 1842 cc End-of-Blow Time 12:35

Tamper Evident Stamp cc54564f

Test Status Code 0

Test Status Success

DBH

NSK

Intox EC/IR-11: Software Version

Department of Forensic Science

Serial Number: 010125

System Date: 09/13/2013

System Time: 13:11 EDT

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

DBH

WAK

Intox EC/IR-II: Calibration

Department of Forensic Science

Serial Number: 010725 Test Number: 430

Test Date: 09/13/2013 Test Time: 13:15 EDT

Dry Gas Target: 0.100

Lot Number: 0651210013-05 Exp Date: 04/01/2014

Tank Pressure: 428 psi Barometric Pressure: 756 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	13:16
CAL	0.100	13:16

Test Status: *Success*

Calibration CRC: F1C91400

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010725 Test Number: 431

Test Date: 09/13/2013 Test Time: 13:20 EDT

Technician Initials: DBH

Dry Gas Target: 0.249

Lot Number: 29612250I2-10 Exp Date: 11/01/2014

Tank Pressure: 296 psi Barometric Pressure: 756 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:21
BLK	0.000	13:22
CHK	0.247	13:22
BLK	0.000	13:24
CHK	0.246	13:24
BLK	0.000	13:26
CHK	0.246	13:27
BLK	0.000	13:28

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

DBA

NSK

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010725 Test Number: 432
Test Date: 09/13/2013 Test Time: 13:31 EDT

Technician Initials: DBH

Dry Gas Target: 0.149

Lot Number: 0651215014-07 Exp Date: 04/01/2014

Tank Pressure: 85 psi Barometric Pressure: 756 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:31
BLK	0.000	13:32
CHK	0.149	13:33
BLK	0.000	13:34
CHK	0.149	13:35
BLK	0.000	13:36
CHK	0.149	13:37
BLK	0.000	13:38

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

DBH

NSA

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010725 Test Number: 433
Test Date: 09/13/2013 Test Time: 13:41 EDT

Technician Initials: DBH

Dry Gas Target: 0.080

Lot Number: 0651208012-03 Exp Date: 04/01/2014

Tank Pressure: 262 psi Barometric Pressure: 756 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:41
BLK	0.000	13:42
CHK	0.079	13:43
BLK	0.000	13:44
CHK	0.080	13:45
BLK	0.000	13:46
CHK	0.079	13:47
BLK	0.000	13:48

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010725 Test Number: 434

Test Date: 09/13/2013 Test Time: 13:51 EDT

Technician Initials: DBH

Dry Gas Target: 0.020

Lot Number: 0651202011-05 Exp Date: 04/01/2014

Tank Pressure: 154 psi Barometric Pressure: 756 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:51
BLK	0.000	13:52
CHK	0.019	13:53
BLK	0.000	13:54
CHK	0.019	13:55
BLK	0.000	13:56
CHK	0.019	13:57
BLK	0.000	13:58

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010725 Test Number: 435

Test Date: 09/13/2013 Test Time: 14:02 EDT

Dry Gas Target: 0.298

Lot Number: AG322702-04 Exp Date: 08/15/2015

Tank Pressure: 399 psi Barometric Pressure: 756 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	14:03
CHK	0.299	14:03
BLK	0.000	14:05
CHK	0.299	14:06
BLK	0.000	14:08
CHK	0.298	14:08

Test Status: Success

Calibration CRC: F1C91400

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010725 Test Number: 436

Test Date: 09/13/2013 Test Time: 14:12 EDT

Dry Gas Target: 0.100

Lot Number: AG206601-01 Exp Date: 03/06/2014

Tank Pressure: 183 psi Barometric Pressure: 756 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	14:13
CHK	0.099	14:13
BLK	0.000	14:15
CHK	0.099	14:16
BLK	0.000	14:17
CHK	0.099	14:18

Test Status: Success

Calibration CRC: F1C91400



COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
--------------------------------------	----------------------

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 09/13/2013
TEST EQUIPMENT NUMBER 010725		

RESULTS: TIME SAMPLE TAKEN 14:26 EDT
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____ OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 13 Sep 2013 at 17:27

DBH

NSH

Test Results

Instrument Serial Number 010725

Test # 000437 Subject Test

Test Location 1 Department of
Test Date 13 Sep 2013

Test Location 2 Forensic Science
Test Time 14:20
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name HALL
Agency DFS Central Lab
Card Serial Number 121250
Subject's Last Name INSTRUMENT
Subject's Middle Initial
Driver's License Number

Operator's First Name DONALD
License Number 21250
Operator's Middle Initial B
Effective Date 10/01/2012
Expiration Date 10/01/2014
Subject's First Name TEST
Subject's Date of Birth 00/00/0000
Subject's Sex Male
Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date	13 Sep 2013	End Time	14:28	Result Time	14:26	Result Date	13 Sep 2013	Result	0.00
Data Type	DIAG			Sample Value	Pass			Sample Time	14:20
Data Type	BLK			Sample Value	0.000			Sample Time	14:21
Data Type	CHK			Sample Value	0.099			Sample Time	14:22
Data Type	BLK			Sample Value	0.000			Sample Time	14:23
Data Type	SUBJ			Sample Value	0.000			Sample Time	14:24
Data Type	BLK			Sample Value	0.000			Sample Time	14:25
Data Type	SUBJ			Sample Value	0.000			Sample Time	14:26
Data Type	BLK			Sample Value	0.000			Sample Time	14:27

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG206601-01

Standard Expiration Date 03/06/2014

Tank Pressure 178

Barometric Pressure 756 mmHg

Blow Sample Number 1 Blow Duration 3.51 sec

Blow Volume 1919 cc End-of-Blow Time 14:24

Blow Sample Number 2 Blow Duration 3.75 sec

Blow Volume 1858 cc End-of-Blow Time 14:26

Tamper Evident Stamp 198b481c

Test Status Code 0

Test Status Success